

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS  
OF SAN BERNARDINO COUNTY, CALIFORNIA  
AND RECORD OF ACTION**

19

March 23, 2004

**FROM:** KEN A. MILLER, Director  
Department of Public Works- **Solid Waste Management Division**

**SUBJECT: REQUEST FOR PROPOSALS FOR THE OPERATION, MAINTENANCE AND MONITORING  
OF THE LANDFILL GAS EXTRACTION SYSTEMS**

**RECOMMENDATION:** Approve issuance of a Request for Proposals for Consulting Services for the operation, maintenance, and monitoring of seven Landfill Gas Extraction Systems (LFGES), in addition to performing monitoring programs at nine County landfill sites.

**BACKGROUND INFORMATION:** The South Coast Air Quality Management District (SCAQMD) Rule 1150.1 states that all landfills which accepted waste on or after January 1, 1982, must install and operate a LFGES to control landfill gas (LFG) surface emissions and subsurface migrations due to the presence of volatile organic compounds in LFG. In addition, periodic testing must be performed to evaluate the effectiveness of the LFG control system and to verify that the landfill is in compliance with the emission limit of 500 parts per million by volume (ppmv) of total organic compounds (TOC) as contained in the Rule. SCAQMD Rule 431.1 requires the monitoring of sulfur compounds in gaseous fuels combusted during industrial activities. An alternative Rule 431.1 monitoring plan has been approved by the SCAQMD.

The Mojave Desert Air Quality Management District (MDAQMD) Rule 1126 states that Municipal Solid Waste (MSW) Landfills that accepted waste after November 8, 1987 must limit non-methane organic compound (NMOC) emissions by implementing the provisions of 40 Code of Federal Regulations (CFR) Part 60, Subpart C – Emission Guidelines and Compliance Times for MSW Landfills.

Additionally, due to the explosive nature of methane, the California Code of Regulations, Title 27, Chapter 3, Subchapter 4, Article 6 (27CCR) contain requirements that owners and operators of landfills, must control LFG (methane) and prevent it from accumulating in enclosed structures and/or migrating offsite.

Bryan A. Stirrat & Associates is currently providing these subject services under a contract due to expire on June 30, 2004. This request for proposal (RFP) is to select a contractor to perform the County's SCAQMD-required Rules 1150.1 and 431.1 monitoring, MDAQMD Rule 1126, 27CCR-required onsite structures and perimeter probe monitoring and reporting at the Cajon, Colton, Heaps Peak, Hesperia, Mid-Valley, Milliken, San Timoteo, Yucaipa and Victorville Sanitary Landfill sites in the County of San Bernardino. The scope of work also includes the operation, maintenance and monitoring of the LFGES at Colton, Heaps Peak, Hesperia, Mid-Valley, Milliken, San Timoteo, and Victorville Sanitary Landfill sites in the County. The contract will be for a period of three (3) years.

The Solid Waste Management Division (SWMD) is seeking a qualified consultant capable of performing a variety of tasks directly related to maintaining compliance with aforementioned landfill environmental regulations and the routine operations and maintenance of the associated monitoring systems. The selected consultant is expected to be awarded a contract on May 18, 2004 with services to commence on July 1, 2004, at the conclusion of the current contract. The contract period will be for a period of three years.

Record of Action of the Board of Supervisors

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March 23, 2004

Page 2 of 2

19

The proposals must be received by 4:00 p.m. on Friday, April 16, 2004. The proposals will be evaluated by a selection committee comprised of representatives from the County and if possible, another government agency. Proposals will be evaluated on the experience and qualifications of the firm and the approach to services. Following this evaluation process, the selection committee will present its analysis and recommendation to SWMD. SWMD staff will subsequently negotiate and prepare a professional services contract for consideration and approval by the County Board of Supervisors.

**REVIEW AND APPROVAL BY OTHERS:** This item was reviewed by Deputy County Counsel Robert L. Jocks (387-5435) on March 16, 2004 and County Administrative Office (Tom Forster, Administrative Analyst, 387-4635) on March 14, 2004.

**FINANCIAL IMPACT:** The issuance of RFP's to solicit proposals has minimal financial impact. Upon selection of a vendor from the proposals, a recommendation of award of contract for performing these consulting services will be forwarded to the Board as a separate item. The estimated cost of these services is \$2.4 million per year. Funding for these services will be included in SWMD's proposed EAA (Operations) and EAL (Groundwater Remediation) Budgets for FY 2004/05 and will be included in proposed budgets for FY 2005/06 and FY 2006/07.

**COST REDUCTION REVIEW:** The County Administrative Office has reviewed this agenda item and concurs with the Department's proposal and recommends this action based on the following: The work to be performed is mandated by the following regulations: SCAQMD Rule 1150.1 and Rule 431.1; MDAQMD Rule 1126; 40 Code of Federal Regulations Part 60, Subpart C – Emission Guidelines and Compliance Times for MSW Landfills; California Code of Regulations, Title 27, Chapter 3, Subchapter 4, Article 6. Failure to comply with any of these regulations could result in severe penalties and fines being imposed upon the County of San Bernardino by the various regulatory agencies.

**SUPERVISORAL DISTRICT:** All.

**PRESENTER:** Peter H. Wulfman, 386-8703.

19